October 9, 2003

Practitioner's Docket No. 16-554P/US - 0025

PCT/US04/33445

IN THE UNITED STATES DESIGNATED OFFICE (DO/US)

October 8, 2004

INTERNATIO	ONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
10/574,46 U.S. APPLIC			
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TITLE OF IN			
11122 01 111			
	Blass and Bryon J. Sanfor	d	
Mail Stop	(S) FOR DO/US		
•	ioner for Patents		
P.O. Box			
Alexandr	ia, VA 22313-1450		
Sī	FOR INTERNATION	TION OF FILING REQUIREM NAL APPLICATION ENTERI ATED OFFICE (DO/US) UNI	NG NATIONAL
	(check and c	complete the following item, if app	olicable)
\boxtimes		e Notice of Missing Requirement 4 (FORM PCT/DO/EO/905)	ts under 35 U.S.C. §371 and
	🛛 А сору	of FORM PCT/DO/EO/905 ac	companies this response.
WARNING:	national phase are filed s international stage. If maili of 37 C.F.R. § 1.10 must b	omitted to complete the entry of the ubsequent to the initial application ng procedures are utilized to obtain a se used (because international appli ailing. 37 C.F.R. § 1.8(2)(xi).	is still considered to be in the a date, the express mail procedure
Note:		e clearly identified as a submission to the submission will be considered as b	
	(Exp	S MAILING UNDER 37 C.F.R. § 1. ress Mail label number is mandatory.) xpress Mail Certification is optional.)	10*
Postal Serv mailing Lab	tify that this paper, along wit	h any document referred to, is being 8, 2007, in an envelope as "Express I 9, addressed to the" Mailstop PCT, O	Mail Post Office to Addressee,"
_		gnature	
Date: <u>Fe</u>	bruary 28, 2007	<u>Jill Wolfe</u> (type or print name	of person certifying)
WARNING:		s) or facsimile transmission procedures o smission for this correspondence.	f 37 C.F.R. § 1.8 cannot be used to
*WARNING:	thereon prior to mailing. 37 C.	ress Mail" must have the number of the F.R. § 1.10(b).	

(Completion of Filing Requirements for International Application Entering National Stage in Designated Office (DO/US) under 35 U.S.C. § 371[13-8]--Page 1 of 7 Express Mail No. EB246878529US

oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will

not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

DECLARATION OR OATH

NOTE: 37 C.F.R. § 1.495(c): "If applicant complies with paragraph (b) of this section before expiration of thirty

		and § 1 submitt in PCT oath surchar	from the priority date but omitsthe oath or declaration of the inventor (35 U.S.C. 371(c)4) 1.497), if a declaration of inventorship in compliance with § 1.497 has not been previously ed in the international application under PCT Rule 4.17(iv) within the time limits provided for Rule 26ter.1, applicant will be so notified and given a period of time within which to file the or declaration in order to prevent abandonment of the applicationThe payment of the ge set forth in § 1.492(e) is required for acceptance of the oath or declaration of the inventor and the expiration of thirty months after the priority date."				
ı.	\boxtimes		ginal declaration or oath was filed. Enclosed is the original declaration or oath application.				
			OR				
			eclaration or oath that was filed was determined to be defective. A new original or declaration is attached				
NO	TE:	For surc	harge fee for filing declaration after filing date, complete item IV(2).				
NO	TE:		ble minimums in the declaration in an ordinarily filed U.S. application for identification of the ation to which it applies are:				
		(A)	application number (consisting of the series code and the serial number, e.g., 08/123,456);				
		(B)	serial number and filing dated;				
		(C)	attorney docket number which was on the specification as filed;				
		(D)	title of the inventor which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or				
		(E)	title of the inventor which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration.				
		M.P.E.P. § 602, 8 th ed.					
NO	TE:	Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and a express mail number, useful where the serial number is not yet known. But note the practice where a express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. § 1.10(c,					
NO.	TE:	37 C.F.R. § 1.41(a) points out that "Full names must be stated, including the family name and at leas given name without abbreviation together with any other given name or initial."					
			(complete (a) or (b), if applicable)				
Att	ache	ed is a					
	(a)		Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.				
	(b)		Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.				

AMENDMENT

H.			(complete as applicable)						
	☐ An amendment in accordance with 37 C.F.R. § 1.121 is attached.								
		The attached amendment cancels claims inclusively.							
			TRANSMITTAL OF ENGLISH TRANSLATION OF NON-ENGLISH LANGUAGE PAPERS						
NOTE:	OTE: 37 C.F.R. § 1.495(c): 'If applicant complies with paragraph (b) of this section before expiration of thirty months from the priority date but omitsa translation of the international application, as filed, into the English language, if it was originally filed in another language (35 U.S.C. 371(c)(2)applicant will be so notified and given a period of time within which to file the translationin order to prevent abandonment of the application. The payment of the processing fee set forth in § 1.492(f) is required for acceptance of an English translation later than the expiration of thirty months after the priority dateA 'Sequence Listing' need not be translated if the 'Sequence Listing' complies with PCT Rule 12.1(d) and the description complies with PCT Rule 5.2(b)".								
III.	Submitted herewith, is an English translation of the non-English language international application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the PTO (See 37 C.F.R. § 1.495(c)								
NOTE:	NOTE: For fee for processing a non-English application, and submission of an English translation later than 30 months after the priority date, complete item IV(3) below.								
NOTE:	NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 C.F.R. § 1.69(b).								
			OTHER DOCUMENTS						
	(a)		Attached is an Information Disclosure Statement, PTO one (1) citation.	-Form 1449 and					
	(b)		Attached is a request for a corrected filing receipt alon the official filing receipt received from the PTO in the a patent application for which issuance of a corrected filing respectfully requested herewith.	bove-identified					
	(c)		Preliminary Amendment						
	(d)		Certified Copy of prior Application No. , filed priority is being claimed in the subject application is at						
IV.			FEES						
NOTE:	See 37	C.F.R	R. § 1.28(a).						
1.	Fees	for c	laims						
		Eacl (37	h independent claim in excess of 3 C.F.R. § 1.492(b)\$200.00; small entity\$100.00)	\$					
-	_	(37	h claim in excess of 20 C.F.R. § 1.492(c)\$50.00; small entity\$25.00)	\$					
	(Completion of Filing Requirements for International Application Entering National Stage in Designated Office								

(Completion of Filing Requirements for International Application Entering National Stage in Designated Office (DO/US) under 35 U.S.C. § 371[13-8]—Page 3 of 7

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		(37 C	ple dependent claim(s) C.F.R. § 1.492(d)\$360 I entity\$180.00)		\$				
2.	Surcha	narge fees							
		Surcharge for filing the oath or declaration. § 1.495(c)and § 1.492(e): \$130.00; small entity\$65.00 \$130.00							
NOTE:	The	processi	ing fee in the next item (Numb	per 3) below is not subject to a red	uction for small entity status.				
3.		For filing an English translation of an international application later than thirty months after the priority date (§ 1.495(c)) and § 1.492(f): \$130.00 \$							
4.	☐ As	signme	ent (See "ASSIGNMENT	COVER SHEET".)	\$				
				Total fees	\$ <u>130.00</u>				
				NTITY STATUS					
V .		An as	ssertion that this filing is t	by a small entity					
			•	nplete applicable items)					
	a.		is attached.						
			was filed on						
				the basic national filing fee a					
				paying the basic national fi					
	b.		A separate retund req	uest accompanies this pape	;г.				
/ I.				or (b), as applicable)					
NOT	proc mon or of to th days of th	essing of the that a ther reque te applica s, if any, b the Office of date the r	r examination of an application are taken to reply to any notice est, measuring such three-mor ant, in which case the period of beginning on the day after the communication notifying the ap reply was filed. The period, or	deemed to have failed to engage in for the cumulative total of any pen or action by the Office making any oth period from the date the notice is adjustment set forth in § 1.703 she date that is three months after the policant of the rejection, argument, shortened statutory period, for replection set forth in this paragraph."	iods of time in excess of three rejection, objection, argument, or action was mailed or given all be reduced by the number of date of mailing or transmission or other request and ending on				

The proceedings herein are for a patent, application. The provisions of 37 C.F.R. § 1.136(a)

apply.

	(a)						r which are set out in checked out below:	
			Extension (months) one month two month three mon four month five month	n ns iths ns	Fee for other small entity \$ 120.00 \$ 450.00 \$ 1,020.00 \$1,590.00 \$2,160.00	than	Fee for small entity \$ 60.00 \$ 225.00 \$ 510.00 \$ 795.00 \$1,080.00	
					Fee	\$120.00		
	If an a	dditio	nal extensi	on of time is r	equired, pleas	se consider this a	petition therefore.	
				(check and	d complete the	e next time, if appl	icable)	
		•	fee paid th	on for rerefore of \$ now requeste	is deduc	ready been secur- ted from the total	ed and the fee due for the total months of	
			Extension	fee due with	this request \$_			
	(b)		conditiona	I petition is be	ing made to p	or of term is required provide for the pose a petition for exte	ssibility that applicant has	
					TOTAL F	EE DUE		
	VII.	The	total fee	due is				
		Cor	mplete fee	(s)		\$1	130.00	
		Ext	ension fee	(if any)		\$1	120.00	
		Ass	ignment fe	е		\$		
		TO.	TAL FEE	UE		\$2	250.00	
					PAYMENT	OF FEES		
	VIII.							
			Attach	ned is a 🗌 c	heck 🗌 mon	ey order in the a	amount of \$	
		\boxtimes	Autho	rization is he	ereby made to	o charge the am	ount of \$ <u>250.00</u>	
				to Deposit	Account No.	<u>20-0090</u> .		
			\boxtimes		card as shown		ched credit card informatio	'n
		WA	RNING: Cre	dit card informa	ation should not	t be included on this	s form as it may become public.	
		\boxtimes			nal fees requ No. 20-0090.		er or credit any overpayme	٦t
			<u>*</u>	cate of this t	ransmittal is	attached.		
03/02/2007 LLANDGRA	00000055	10574						
01 FC:1617 02 FC:1251			130.00 OP 120.00 OP					

AUTHORIZATION TO CHARGE ADDITIONAL FEES

IX. **WARNING:** Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges extra claims are authorized. NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future rely, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." C.F.R. § 1.136(a)(3). "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a NOTE: reasonable time, nor will the payer be notified of such amounts, amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a). The previous practice of holding applications abandoned if an authorization to charge fees under 37 NOTE: C.F. R. § 1.16 has been provided instead of an authorization to charge fees under 37 C.F.R. §1.492 has been changed. The Office amended 37 C.F.R. § 1.25(b), effective November 7, 2000, so that an authorization to charge fees under 37 C.F.R. § 1.16 in an international application entering the national stage under 35 U.S.C. § 371 is now accepted by the Office as an authorization to charge fees under 37 C.F.R. § 1.492. Please charge, in the manner authorized above, the following additional fees that may be required by this paper and during the entire pendency of this application: 37 C.F.R. §§ 1.492(a)(2), 1.492(a)(3), or 1.492(a)(5) (filing fees) \Box 37 C.F.R. § 1.492(b) (presentation of extra claims) Because additional fees for excess or multiple dependent claims not paid on filing, or on later presentation, must only be paid, or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not NOTE: to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action 37 C.F.R. § 1.17 (application processing fees) 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)) While 37 C.F.R. § 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a), this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. WARNING:

§ 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27)

37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE:

Section 1.311(b) provides that an authorization to charge the issue fee (§ 1.18) to a deposit account may be filed in an individual application only after the mailing of the notice of allowance. Accordingly, general authorizations to pay fees and specific authorizations to pay the issue fee that are filed prior to the mailing of a notice of allowance will generally not be treated as requesting payment of the issue fee and will not be given effect to act as a reply to the notice of allowance. Applicant, when paying the issue fee, should submit a new authorization to charge fees, such as by completing box 6b on the current PTOL-85B form. Where no reply to the notice of allowance is received, the application will stand abandoned notwithstanding the presence of general authorizations to pay fees or specific authorization to pay the issue fee that were submitted prior to mailing of the notice of allowance. Where an attempt is made to pay the issue fee but an incorrect amount is submitted, § 1.311(b)(1), or where the Office's issue fee transmittal form (currently PTOL-85(B)) is completed by applicant and submitted, § 1.311(b)(2), in reply to a notice of allowance, an exception will be made. Such submissions will operate as a request to charge the issue fee to any deposit account identified in a previously filed (i.e., submitted prior to the mailing of the notice of allowance) authorization to charge fees, and will be allowed to act as payment of the correct issue fee. § 1.311(b). See also the change to § 1.26(b). Notice of September 8, 2000, Fed. Reg. 54603-54683, at 54646

37 C.F.R. § 1.28(b) requires "Notification of any change in loss of entitlement to small entity NOTE: status must be filed in the application...prior to paying, or at the time of paying...issue fee. From the wording of 37 C.F.R. § 1.28(b):(a) notification of change of status must be made even

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to another small entity. 37 C.F.R. § 1.492(e) and (f) (surcharge fees for filing the declaration and/or an English translation of an international application later than 20 months from the earliest claimed priority date). **WARNING:** It is suggested that you always check this last authorization. John R. Hlavka Reg. No.: 29,076 (type or print name of attomey) Tarolli, Sundheim, Covell Tel. No .: (216) 621-2234 & Tummino L.L.P. 1300 East Ninth Street - Suite 1700 P.O. Address Cleveland, OH 44114 26,294 Customer No.

if the fee is paid as "other than a small entity" and (b) no notification is required if the change is

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MONTHS

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United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

ATTY. DOCKET NO. FIRST NAMED APPLICANT U.S. APPLICATION NUMBER NO. 16554PUS Arthur J. Glass 10/574,460 INTERNATIONAL APPLICATION NO. PCT/US04/33445 FILING DATE PRIORITY DATE John R. Hlavka FILE NO:16-554P/USATTY:JRH 10/09/2003 Watts Hoffmann Co. 08/2004 DUE DATE:02-06-2007 (20070206 P.O. Box 99839 Cleveland, OH 44199-083§ COE MANUFACTURI/INIT: (20061206) **CONFIRMATION NO. 9717** RES PER:2 M DK1 ACTION:10 **MALITIES LETTER** MISSING PARTS DUE 1123 *OC000000021488665*

Date Mailed: 12/06/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNIT OF A STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) To a state of the state of the United States Patent and Trade of the state of the United State of the Unite

The following items have been submitted by the applicant or the IB to the United States Patent and Trade Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/04/2006
- Copy of the International Search Report filed on 04/04/2006
- U.S. Basic National Fees filed on 04/04/2006
- Priority Documents filed on 04/04/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requiren acceptance under 35 U.S.C. 371:

- DK1 • Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the ar by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

\$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.		INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/574,460	•	PCT/US04/33445	16554PUS

FORM PCT/DO/EO/905 (371 Formalities Notice)